

ROAD COST ESTIMATING CHECK LIST

CONT. SEC.- JOB NUM. _____ DESIGN UNIT _____

The following check list is intended to assist the Estimating Engineer in reviewing the cost estimate for the project. Information provided below will allow the estimator to adjust average unit prices from Trns•port based on specific project parameters.

A **copy** of this check list, a **COST SUMMARY AT THE PROPOSAL LEVEL**, and the report generated during the **GENERATE BID BASED PRICES** process in Trns•port should be submitted to the Road Estimating Engineer at the same time material is distributed for the OEC meeting. CHANGES/ADDITIONS TO THE CHECKLIST AFTER THE FIRST SUBMITTAL SHALL BE MADE IN RED AND SUBMITTED WITH THE FINAL PLAN/PROPOSAL PACKAGE SUBMITTAL.

COST SUMMARIES SUBMITTED WITHOUT THE COPY OF THE CHECKLIST AND THE BID BASED PRICE REPORT WILL BE RETURNED TO THE DESIGN UNIT.

PS&E SUBMITTED WITHOUT THE COMPLETED CHECKLIST AND AN UPDATED COST SUMMARY WILL BE RETURNED TO THE DESIGN UNIT.

Check all boxes below that apply. A check indicates 'Yes' or 'True'.

PROGRAMMING & PLANS

Current programed amount is: \$ _____ ☐ Two or more projects were combined.

PS&E will contain ☐ Road Plans ☐ Structure Plans ☐ Log Plans ☐ Signal Plans ☐ Water main Plans

CONSTRUCTION SCHEDULE Proposed Let Date: _____

- ☐ Schedule is normal (4 day work week.)
- ☐ Schedule is tight (5 day work week.)
- ☐ Schedule is Expedited (6 Day &/or overtime !)
- If so: ☐ Incentive payment is [☐ planned ☐ not planned]
- ☐ Liquidated Damages are \$ _____ / _____
- ☐ Utility relocation/coordination is complicated and may cause delays in construction.
- ☐ All ROW will not be certified by the Let Date.
- ☐ All Permits will not have been obtained by Let Date.
- ☐ Required that construction be completed in one season.

PROJECT LOCATION Certain items will be more costly because of location such as:

- ☐ Removals because of close proximity of obstacles _____
- ☐ Excavation or fill because of close proximity of obstacles _____
- ☐ Project security cost for materials and equipment may be a factor.
- ☐ Ramp work restricts construction access to one direction or similar situation.
- ☐ Others _____

ROAD COST ESTIMATING CHECKLIST

MAINTAINING TRAFFIC

- ☐ Progress Schedule will require contractor to work at night. ☐ MDOT lighting pay item included.
- ☐ Work hours during the day will be restricted (certain lanes open to traffic during certain hours).
- ☐ Work days restricted other than normal (lanes open for football, festivals, etc.)
- ☐ MDOT will determine construction staging which will reduce construction efficiency.

Comments on above: _____

The following items may be more costly because staging dictates that they be performed in short, non-productive stretches as opposed to longer continuous operations:

- ☐ Pavement removal ☐ Grading ☐ Trenching ☐ Paving ☐ C&G ☐ Underground ☐ Slope Restoration
- ☐ Others _____

Construction expects ☐ Flagging and/or ☐ Minor Traffic Devices to be higher than usual.

☐ Other traffic factors will increase cost.

List _____

CONTRACTOR STAKING (Check all that apply) ☐ Road ☐ Bridge ☐ Urban

MOBILIZATION

A number of miscellaneous costs were covered by mobilization in the past. With the 5% limit, these costs are now spread out to other pay items in the project and must be accounted for.

- ☐ ROW and surrounding area will require contractor to purchase/rent land for storage, staging, access, etc.
- ☐ Contractor will have to pay substantial amount for permits, utilities, or other items not paid for directly.
- ☐ Contractor will have to re-mobilize (_____ number of times min.) ☐ Expedited award / start date.

REMOVALS ☐ Long Pipe Culvert Length(s) _____
Removing Pipe Culvert, Each, is judged to mean 50 foot or less. List number of pipes and approx lengths for longer sections.

PAVEMENT Total Depth of HMA _____ Total Depth of Conc _____ Other material _____

Pav't, Rem refers to what material(s) and depths. (see pg 2.13-2.14 Sec 204.4 of Construction Specifications.)

TRENCHING Avg Width _____ Avg Depth _____ Material trucked ☐ on job ☐ off job.

ROAD COST ESTIMATING CHECKLIST

STATION GRADING Avg Width _____ Avg Depth _____
Avg / Total Exc _____ Avg / Total Fill _____

Includes ☐ Topsoil stripping ☐ Pavement removal ☐ Slope Restoration

A rough estimate may be used for the above. It is NOT expected that X-sections will be plotted or a Planimeter used.

☐ Other items _____
(A SP may be attached to answer some of the above.)

DIRT (Including Station Grading above.)

Excavation: Trucked [☐ on job ☐ off job] [☐ usable ☐ waste] Fill: ☐ From off site (☐ long haul)

Comments: _____

☐ Double handling is required. ☐ Water problems (☐ MDOT will pay).

UNDERGROUND WORK

☐ High water problem. ☐ MDOT will pay for dewatering.

☐ Existing utility conflicts, that are to be resolved during construction, have been indicated.

HMA WORK

How many courses Base _____ Leveling _____ Top _____

☐ Is this a 'Super-Pave' Mix ☐ Is this a warranty job.

☐ Is the mix modified in any other way. _____

MATERIALS

Attention is called to the following: (examples: new material specs; MDOT will keep item(s) after construction so we're purchasing, not renting; a volume unit of measure item is being paid for as area or linear measure; etc)

OTHER COMMENTS CAN BE ATTACHED ON SEPARATE SHEETS.